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Basic elements of loop quantum gravity

Tuesday 14 June 2016 16:45 (30 minutes)

The main idea of loop quantum gravity (LQG) is to develop a canonical quantum theory of general relativity (GR). In this talk, I will give a pedagogical account of LQG aimed at physicists who are unfamiliar with the field. The main focus will be on basic elements of the construction and how these relate to more familiar objects in GR and quantum field theory.

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